| EAST SEARCH | ARCH HISTORY  |   |
|-------------|---|---|
| HITS        | QUERY   | DATABASE  |
|             | 2 20020031280   | 20020031280 USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB |
|             | 258 335/2   | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB             |
|             | 0 335/2.ccls. and 382.clas.   | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB             |
|             | 153 335/2.ccls.   | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB             |
|             | 82 335/2.ccls. and<br>@ad<20000419  | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB             |
|             | 0 (335/2.ccis. and @ad<20000419) and (USB or EPO; JPO (serial adj1 bus) or serial?bus) IBM_TDB  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB                   |
| e)          | 34261 (USB or (serial adj1 bus) or serial?bus)  | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB             |
|             | 7 (USB or (serial adj1 bus) or serial?bus) and ((electromagnetic or electro?magnetic) adj (switch or relay))                              | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB             |
|             | 2 (USB or (serial adj1 bus) or<br>serial?bus) and<br>((electromagnetic or<br>electro?magnetic) adj (switch<br>or relay)) and @ad<20000419 | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB             |
|             | 1 (US-6178514-\$).did. 1 ((US-6178514-\$).did.) and ((electromagnetic or electro?magnetic) adj (switch or relay))                         | USPAT<br>USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB    |

| USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB                         | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB                                   | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB                         | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB   | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB  | 335 USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM TDB    |
|---|---|---|---|---|---|---|--|---|---|---|--|
| USPAT; U<br>EPO; JPC<br>IBM_TDB                   |   | elay  |   |   | Jj1 bus) or USPAT; U<br>35.clas. and EPO; JPO<br>IBM_TDB                  | c or USPAT; U<br>) adj (switch EPO; JPC<br>id<20000414 IBM_TDB                                    | c or USPAT; U<br>) adj (switch EPO; JPC<br>id<20000414 IBM_TDB                                     | 335 USPAT; U<br>EPO; JPC<br>IBM_TDB                   | USPAT; U<br>EPO; JPO<br>IBM_TDB                   |   |  |
| 818 usb near hub                                  | 277 (usb near hub) and<br>@ad<20000414            | 21 335/2.ccls. and<br>@ad<20000419 and relay      | 27 335/2.ccls. and @ad<20000419 and (electromagnetic or electro?magnetic) | (electromagnetic or<br>electro?magnetic) adj (switch<br>or relay)) and @ad≺20000414 | 0 (USB or (serial adj1 bus) or serial?bus) and 335.clas. and @ad<20000414 | 1206 ((electromagnetic or electro?magnetic) adj (switch or relay)) and @ad<20000414 and 335.clas. | 6 ((electromagnetic or electro?magnetic) adj (switch or relay)) and @ad<20000414 and 335/106.ccls. |   | 1 335.clas.                                       | 55 (device adj driver) same relay                 | 98 device adj driver) same relay<br>and @ad<20000414 |
| 818   | 277   | 2   | 27  | 9070  | 0   | 1206  | 26   | 245936  | 33244 33  | 155   | 86   |

| USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB  | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB  | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB     |
|---|--|---|--|---|---|---|---|---|---|
| ***************************************           | 165 (device adj driver) same<br>(select\$5 with (activat\$5 or<br>actuat\$8 or switch\$4)) and<br>@ad<20000414 | _   | 2 (device adj driver) same (select\$5 with (activat\$5 or actuat\$8 or switch\$4) with (input or source or destination or ouput or device or peripheral)) and @ad<20000414 and (usb or (serial adj bus) or (serial?bus)) | 2 4292613.pn.                                     | 0 (serial adj1 hub).ti.                           | 30611 (hub).ti.                                   | 110 (serial with hub).tl.                         |   | 3 (serial with hub).ti. and<br>@ad<20000914 and relay |

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| Andrew State of the State of th |   |   |   |  |   |  |   |  |
|  |   |   |   | -  |   |  |   |  |
|  |   |   |   |  |   |  |   |  |
| USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB  | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | 20020018062 USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT, US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB  | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB   | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB                  | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;<br>IBM_TDB | USPAT; US-PGPUB;<br>EPO; JPO; DERWENT;                     |
| 16 (serial with hub).ti. and<br>@ad<20000914 and switch  | 5675813.pn.                                       | 20020018062   | 1 6064775.pn. and class\$                         | 72 382/154.ccls, and (point with USPAT; US-PGPUB; (correspondence or match\$5)) EPO; JPO; DERWENT; same (reliability or precision or error or (distance adj metric) or accuracy or exactness or correctness or preciseness or displacement) and @ad<20000811 | 37 382/154.ccls. and (point with U (correspondence or match\$5)) E with (reliability or precision or IE error or (distance adj metric) or accuracy or exactness or correctness or preciseness or displacement) and @ad<20000811 | scanner same (memory adj1<br>card) same switch and<br>@ad<20000914 | 259244 (read with (write or store))               | 15150 scanner same ((memory adj1 (card or stick)) or disk) |
| 16   | 2 5   | 2   | 1   | 222  | 37<br>8 9 9 9 9 9   | 11<br>8  | 259244 (  | 15150 s  |

| USPAT; US-PGPUB;  | USPAT; US-PGPUB;  | USPAT; US-PGPUB;  | USPAT; US-PGPUB;  | USPAT; US-PGPUB  | USPAT; US-PGPUB;  |
|---|---|---|---|--|---|
| EPO; JPO; DERWENT;  | EPO; JPO; DERWENT;  | EPO; JPO; DERWENT;  | EPO; JPO; DERWENT;  |  | EPO; JPO; DERWENT;  |
| IBM_TDB   | IBM_TDB   | IBM_TDB   | IBM_TDB   |  | IBM_TDB   |
| 10232 (read with (write or store)) with USPAT; US-PGPUB; switch IBN_TDB | 3 ((read with (write or store)) USPAT; US-PC with switch) same (scanner EPO; JPO; DE same ((memory adj1 (card or IBM_TDB stick)) or disk)) and @ad<20000914 | 34 (scanner same ((memory adj1 USPAT; US-PC (card or stick)) or disk)) and EPO; JPO; DE ((read with (write or store)) IBM_TDB with switch) and @ad<20000914 | 38 ((input with (output)) with Switch) same (scanner same EPO; JPO; DE ((memory adj1 (card or stick)) SM_TDB or disk)) and @ad<20000914 | 9 (US-6236435-\$ or US-6665376-\$ or US-6665376-\$ or US-5675813-\$ or US-6178514-\$ or US-5859956-\$ or US-6738856-\$ or US-6356793-\$ or US-6356793-\$ or US-6356793-\$ or US-20020010816-\$).did. or (US-20020010816-\$).did. | 6 ((US-6236435-\$ or US-6665376-\$ or US-6665376-\$ or US-677813-\$ EPO; JPO; DE or US-6178514-\$ or US-6738856-\$ or US-6356793-\$ or US-6356793-\$ or US-6356793-\$ or US-63500-\$).did. or (US-63500010816-\$).did.) and printer |

| <b>EAST SEARCH</b> | SEARCH TAGGED |          |  |          |  |                               |
|--------------------|---------------|----------|--|----------|--|-------------------------------|
| patent #           | type          | pub date | title  | class1   | class2   | inventor                      |
| US 6178514 B1      | USPAT         | 20010123 | 20010123 Method and apparatus for connecting a device to a bus carrying power and a signal   | 713/300  | 713/320; 713/340   | Wood, Bradley C.              |
| US 5675813 A       | USPAT         | 19971007 | 19971007 System and method for power control in a universal serial bus   | 713/310  | 710/8; 711/165   | Holmdahl, Todd E.             |
| US 6665376 B1      | USPAT         | 20031216 | 20031216 Selectively activated integrated real-time recording of telephone conversations with automated documentation of consent to call recording | 379/85   | 379/32.01; 379/68;<br>379/7; 379/8;<br>379/93.01   | Brown, Barry D.               |
| US 6236435 B1      | USPAT         | 20010522 | 20010522 Apparatus and method for displaying and demonstrating a camcorder   | 348/373  | 348/333.01;<br>348/333.06;<br>348/376  | Gertz, Jonathan               |
| US 20020010816 A1  | US-PGPUB      | 20020124 | 20020124 COMPUTER PERIPHERAL<br>SWITCHING DEVICE   | 710/36   |  | TOMOSON,<br>PATRICK H.        |
| US 5859956 A       | USPAT         | 19990112 | 19990112 Information processing device and information processing method   | 358/1.13 | 358/1.15   | Sugiyama,<br>Mitsumasa et al. |
| US 6738856 B1      | USPAT         | 20040518 | 20040518 External display peripheral for coupling to a universal serial bus port or hub on a computer  | 710/315  | 307/31; 345/156;<br>710/1; 710/105;<br>710/106; 710/11;<br>710/300; 710/314;<br>710/316; 713/300;<br>713/320 | Milley, Nicholas A. et al.    |
| US 6356793 B1      | USPAT         | 20020312 | 20020312 Serial bus hub  | 700/19   | 361/681; 361/682;<br>361/683; 361/686;<br>700/17; 700/8;<br>700/83; 700/9                                    | Martin, Randall W.            |
| US 4563706 A       | USPAT         | 19860107 | 19860107 Image forming system  | 358/444  | 348/705  | Nagashima, Nao                |